MOELLER

Type: **EASY719–AB–RCX**
Article No.: **274114**

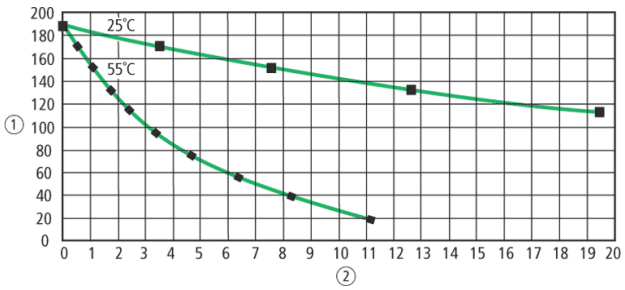
Ordering information			
Relay outputs		Quantity	6
Power supply		V DC	24 V AC

Description

- 12 digital inputs (4 inputs available as analog inputs)
- 6 relay outputs
- Screw terminals
- Timer
- Can be expanded using easy expansion units

Notes concerning the product group

Backup of real–time clock (only for appropriate devices)



①Backup time (hours)

②Operating time (years)

General			
Standards			EN 55011, EN 55022, IEC/EN 61000−4, IEC 60068−2−6, IEC 60068−2−27
Dimensions (W × H × D)		mm	107.5 × 90 × 58 (6 PE)
Weight		kg	0,3
Mounting			Top−hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4−101−GF1 (accessories)
Terminal capacities			
Solid		mm^2	0.24 (AWG 22 – 12)
Flexible with ferrule		mm^2	0.22.5 (AWG 22 – 12)
Standard screwdriver		mm	3.5 × 0.8
Max. tightening torque		Nm	0,6
Climatic environmental conditions			
Operating ambient temperature		°C	−25 to 55, cold as per IEC 60068−2−1, heat as per IEC 60068−2−2
Condensation			Take appropriate measures to prevent condensation
LCD display (clearly legible)		°C	055
Storage		°C	−40/+70
Relative humidity, non−condensing (IEC/EN 60068−2−30)		%	5 – 95
Air pressure (operation)		hPa	795 – 1080
Corrosion resistance	4 days SO_2 4 days H_2S	cm^3/m^3	101
Ambient conditions, mechanical			
Pollution degree			2
Degree of protection (IEC/EN 60529)			IP 20
Vibrations (IEC/EN 60068−2−6)			
Constant amplitude 0.15 mm		Hz	10 – 57
Constant acceleration 2 g		Hz	57 – 150
Mechanical shock resistance (IEC/EN 60068−2−27) semi−sinusoidal 15 g/11 ms		Impacts	18
Drop to IEC/EN 60068−2−31	Drop height	mm	50
		m	1

Free fall, packaged (IEC/EN 60068–2–32)			
Mounting position			horizontal/vertical
Electromagnetic compatibility (EMC)			
Electrostatic discharge (IEC/EN 61000–4–2, Level 3, ESD)			
Air discharge		kV	8
Contact discharge		kV	6
Electromagnetic fields (IEC/EN 61000–4–3, RFI)		V/m	10
Radio interference suppression (EN 55011)			EN 55011 Class B, EN 55022 Class B
Burst pulses (IEC/EN 61000–4–4, level 3)			
Supply cables		kV	2
Signal lines		kV	2
High–energy pulses (surge) (IEC/EN 61000–4–5)		kV	2 (supply cables, symmetrical, EASY...AC)
High–energy pulses (surge) (IEC/EN 61000–4–5, level 2)		kV	0.5 (supply cables, symmetrical, EASY...DC)
Immunity to line–conducted interference to (IEC/EN 61000–4–6)		V	10
Insulation resistance			
Clearance in air and creepage distances			EN 50178, UL 508, CSA C22.2, no. 142
Insulation resistance			EN 50178
Backup/accuracy of the real–time clock			
Accuracy of the real–time clock			Normally ± 5 (± 0.5 hyear)
Repetition accuracy of timing relays			
Accuracy of timing relays (of values)		%	± 1
Resolution			
Range “S”		ms	10
Range “M:S”		s	1
Range “H:M”		min	1
Retentive memory			
Write cycles of the retentive memory			1000000 (10^6)
Power supply			
Rated operational voltage	U_e	V	24 V AC
Admissible range		V AC	20,4 – 26,4
Frequency		Hz	5060 (± 5%)
Input current			

At 24 V AC 50/60 Hz		mA	300
Voltage dips (IEC/EN 61131–2)		ms	20
Power loss			
At 24 V AC		VA	7
Digital inputs 24 V DC			
Number			12
Inputs can be used as analog inputs			I7, I8, I11, I12
Status indication			LCD–display (if present)
Potential isolation			
From power supply			No
Between digital inputs			No
From the outputs			Yes
Rated operational voltage	U_e	V	24 V AC
Rated voltage L (sinusoidal)			
On 0 signal		V AC	0 – 6
On 1 signal	U_e	V	(I7, I8, I11, I12) > 7 AC, > 9.5 DC (I1 – I6, I9, I10) 14 – 26.4 AC
Rated frequency		Hz	50 – 60
Input current on 1 signal			
I1 to I6		mA	4 (at 24 V AC, 50 Hz)
I7, I8		mA	2 (at 24 V AC, 50 Hz) 2 (at 24 V DC)
I9, I10		mA	4 (at 24 V AC, 50 Hz)
I11, I12		mA	2 (at 24 V AC, 50 Hz) 2 (at 24 V DC)
Delay time (0 – 1/1 – 0) I1 – I12			
Debounce ON 50/60 Hz		ms	8066
Debounce OFF 50/60 Hz		ms	2016
Max. admissible cable length (per input)			
Maximum cable length between stripped ends		m	40
I9, I10		m	Normally 40
Analog inputs			
Quantity			4 (I7, I8, I11, I12)
Potential isolation			
From power supply			No
From the digital inputs			No
From the outputs			Yes

From the PC interface, memory card NET network, EASY–Link			No
Input type			DC voltage
Signal range		V DC	0 – 10
Resolution, analog		V	0,01
Resolution, digital		V	0,01
Resolution, digital		Bit	10 (value 0 – 1023)
Input impedance		k	11,2
Accuracy of actual value			
Two EASY devices		%	± 3
Within a single device		%	± 2, ± 0.12 V
Conversion time, analog/digital		ms	Debounce ON: 20; Debounce OFF: every cycle time
Input current		mA	< 1
Cable length screened		m	< 30
Relay outputs			
Number			6
Outputs in groups of			1
Parallel switching of outputs for increased output			Not permissible
Protection of an output relay			Miniature circuit–breaker B16 or fuse 8 A (slow)
Potential isolation			
From power supply			Yes
From the inputs			Yes
From the PC interface, memory card NET network, EASY–Link			No
Safe isolation		V AC	300
Basic insulation		V AC	600
Lifespan, mechanical	Operations	× 10^6	10
Contacts			
Conventional thermal current (10 A UL)		A	8
Recommended for load: 12 V AC/DC		mA	> 500
Short–circuit–proof cos = 1, characteristic B16 at 600 A		A	16
Short–circuit–proof cos = 0.5 to 0.7, characteristic B16 at 900 A		A	16
Rated impulse withstand voltage		kV	6

U_{imp} of contact coil			
Rated operational voltage	U_e	V AC	250
Rated insulation voltage	U_i	V AC	250
Safe isolation to EN 50178 between coil and contact		V AC	300
Safe isolation to EN 50178 between 2 contacts		V AC	300
Making capacity			
AC–15, 250 V AC, 3 A (600 Ops./h)	Operations		300000
DC–13 L/R 150 ms 24 V DC, 1 A (500 Ops./h)	Operations		200000
Breaking capacity			
AC–15, 250 V AC, 3 A (600 Ops./h)	Operations		300000
DC–13 L/R 150 ms 24 V DC, 1 A (500 Ops./h)	Operations		200000
Filament bulb load			
1000 W at 230/240 V AC	Operations		25000
500 W at 115/120 V AC	Operations		25000
Fluorescent lamp load			
Fluorescent lamp load 10 × 58 W at 230/240 V AC			
With upstream electrical device	Operations		25000
Uncompensated	Operations		25000
Fluorescent lamp load 1 × 58 W at 230/240 V AC, conventional, compensated	Operations		25000
Switching frequency			
Mechanical operations		× 10^6	10
Switching frequency		Hz	10
Resistive load/lamp load		Hz	2
Inductive load		Hz	0,5
UL/CSA			
Uninterrupted current at 240 V AC		A	10
Uninterrupted current at 24 V DC		A	8
AC			
Control Circuit Rating Codes (utilization category)			B 300 Light Pilot Duty
Max. rated operational voltage		V AC	300
Max. thermal uninterrupted current = 1 at B 300		A	5
		VA	3600360

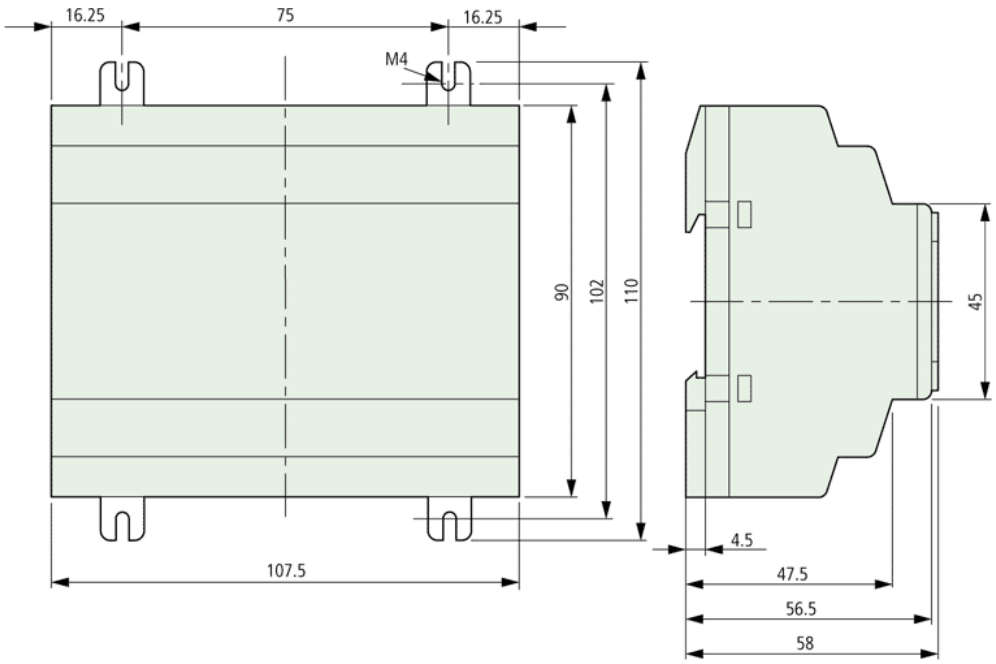
Max. make/break capacity 1 at B 300			
DC			
Control Circuit Rating Codes (utilization category)			R 300 Light Pilot Duty
Max. rated operational voltage		V DC	300
Max. thermal uninterrupted current at R 300		A	1
Max. make/break capacity at R 300		VA	2828
Notes			
Dimensions			

Notes

For additional Technical Data EASY5... and EASY7... → AWB2528−1508GB,

EASY8... → AWB2528−1423D

Dimensions



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